U.S. Department of Energy Office of River Protection

Mr. R. J. Schepens

Manager

P.O. Box 450, MSIN H6-60 Richland, Washington 99352

Dear Mr. Schepens:

CCN: 047345

CONTRACT NO. DE-AC27-01RV14136 – TRANSMITTAL FOR INFORMATION–AUTHORIZATION BASIS CHANGE NOTICES

Bechtel National, Inc. (BNI) is submitting three Authorization Basis Change Notices (ABCN) to the U.S. Department of Energy, Office of River Protection, and the Safety Regulation Division (OSR) for information (attached).

The contractor-approved ABCNs listed below are a result of the Hanford Tank Waste Treatment and Immobilization Plant project's design evolution changes.

(Note that the affected authorization basis documents are identified in parenthesis.)

- 24590-WTP-ABCN-ENS-02-014, Revision of HLW Pour Tunnel Lidding Station Removal & Canister Rack Modifications (24590-WTP-PSAR-ESH-01-002-04, Revision 0) This change modifies the High Level Waste (HLW) Facility Pour Tunnel Lidding Station Removal & Canister Rack within the Preliminary Safety Analysis Report (PSAR) for HLW.
- 24590-WTP-ABCN-ENS-02-016, Revision of Reagent Supply System Design Update (24590-WTP-PSAR-ESH-01-001-04, Revision 0, and 24590-WTP-PSAR-ESH-01-002-04, Revision 0) This ABCN relocates the reagent room at the –21 ft. level to the 11 ft. level directly above its old position in the southwest corner of the High Level Waste (HLW) facility.
- 24590-WTP-ABCN-ENS-02-028, Revision Openign Changes Associated with High Level Waste Vitrification System HSH-Mechanicat Handling Diagram-Melter Cave Support Handling-Melter Cave 1 This ABCN adds a Posting Box, decontamination pit with gamma interlocked hatch, shield window, C5 ventilation for the decontamination pit, and Important to Safety misreeving detection associated with the crane hoist to the HLW PSAR.

Electronic copies of the attached ABCNs are provided for the OSR's information and use.

CCN: 047345

Please contact Mr. Bill Spezialetti at 371-5778 for any questions or comments.

Very truly yours,

R. F. Naventi Project Director				7 C
TR/slr				7
				 Image: Control of the

Attachment: 1) Authorization Basis Change Tolice 24590-WTP-ABCN-ENS-02-014, Revision 0

- 0

2) Authorization Basis Change	Notice 24590-V	VTP-ABCN-ENS-02-016, Revision 0
3) Authorization Basis Change	Notice 24590-V	VTP-ABCN-ENS-02-028, Revision 0
cc: Name (ALPHABETIZE)	Org anization	MSIN
Barr, R. C. w/a (1 hard copy and 1 electronic copy)	OSR	H6-60
Barrett, M. K. w/o	ORP	H6-60
Beranek, F. w/o	XTP	MS6-P1
Betts, J. P. w/o	Wil P	MS14-3C
DOE Correspondence Control w/a	P P	H6-60
Ensign, K. R. w/o	ORP	H6-60
Erickson, L. w/o	QRP	H6-60
Galioto, T. M. w/a	WAP .	MS7-FSE
Green, L. w/a	WTP	MS6-P2
Hamel, W. F. w/o	ORP	H6-60
Hanson, A. J. w/o	QRP	H6-60
Hotrod, D. J. w/a	W TP	MS6-R2
Klein, D. A. w/o	₩P	MS6-P1
Krahn, D. E. w/a	W P	MS6-R1
Nakao, R. M. w/a	Warp	MS4-B2
Naventi, R. F. w/o	WIP	MS14-3C
PDC w/a	W TP	MS5-K.1
QA Project Files w/a	WTP	MS14-4B
Ryan, T. B. w/a	WTP	MS6-R1
Smith, B. K. w/a	WTP	MS6-P2
Spezialetti, W. R. w/o	WTP	MS6-P1
Taylor, W. J. w/a	ORP	H6-60
Tosetti, R. J. w/o	WTP	MS4-A2
Varma, K. w/a	WTP	MS6-M2
Veirup, A. R. w/o	WTP	MS14-3B



DOCUMENT INFORMATION

Sheet 1 of 1

Please complete the following information when submitting a document to PDC.

Correspondence (CCN) No:	Rev: N/A					
Document No: 24590-WTP-ABCN-ENS-02-014 Rev: 0						
Project Information (Check Applicable Box)						
☐ Balance of Facilities						
Pretreatment						
LAW Vitrification						
☐ Analytical						
External Interfaces						
Across all areas						
Document is applicable to ALARA? Yes No						
In general, any record that deals with Radiation, Radioactive Material, Occupational Dose, Dose Re ALARA Records. (See 24590-WTP-GPP-SRAD-002, Application of ALARA in the Design Process	duction, or Dose Rate are considered s, section 4.8 for additional guidance)					
Additional Information for Correspondence						
Subject Code(s)						
Action Item Information. (This section does not apply to Meeting Minutes.)						
No Action Item within the correspondence						
Action(s): (Give a brief description of actions in the following space [optional])						
Due Date: (15 - 1 - 1 - 1 - 1 - 2 - 1 - 1	1 1111					
Due Date: (If no due date is indicated, a 2-week periods)	od will be assigned.)					
Action Owed to:						
Actionee(s)						
This correspondence closes action on Correspondence Number						
Subcontract Files Copies						
PAAA Coordinator MSII-B						
Contains SENSITIVE Information						

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Page 1 of 4

	BCN Review and Approv BCN Preparation	val Signatures		
		11800	Inline	
Preparer:	Lisa Green Print/Type Name	Signature Signature	12/18/02 Varia 12/18/02	•
Reviewer:		K. J.1	12/1/das	
Reviewer.	Ken Varma Print/Type Name	Signature	Date	No.
B. Re	quired Technical Reviewer			
Review		_ that signature block must b	pe completed.	
Required?	JR 12/18/02	or End Port Pl	<u></u>	
\boxtimes	E&NS Manager	Fred Beranck Peter Low	W	17/10/2
	LCCI TO WIGHTEGO	Print/Type Name	Signature	Date
\boxtimes	QA Manager	George Shell		12/12/02
	Q/Y Manager	Print/Type Name	Signature Signature	
	Operations Manager			
	operations Manager	Print/Type Name	Signature	- Date
	Commissioning/Training Manag			
	Commissioning/Training Manag	Print/Type Name	Signature	
\boxtimes	Manager of Engineering	Fred Marsh	S 2 10	12/18/0
	Manager of Engineering	Print/Type Name	Signature	Date Date
	Construction Manager			
	Constitution Manager	Print/Type Name	Signature)	Date
\boxtimes	Area Project Manager	Phil Schuetz	Vellas —	12/19/
	The arroject Manager	Print/Type Name	Signature	Date /
	Research & Technology Manage	er		
	Turingo	Print/Type Name	Signature	Date
	PMT Chair			
_		Print/Type Name	Signature	Date
\boxtimes	HLW Document Custodian	Dwight Krahn	loef longhet for D. Kland	12/19/02
_		Print/Type Name	Signature	Date
	CN Approval Alisto			
/(8/0>- -PSC-Chair	Bill Poulson NA			
· FSC Chan	Print/Type Name	Signature	Date	



Page 2 of 4

ABCN Number	24590-WTP-ABCN-ENS-02-014	Revision	0	
ABCN Title	HLW Pour Tunnel Lidding Station Removal & Canister	Rack modif	rications	

II. Description of the Proposed Change to the Authorization Basis

D. Affected Authorization Basis and Implementing Documents (drawings, procedures, plans, etc):

Title	Document Number	Revision
Preliminary Safety Analysis Report to Support Construction Authorization; HLW Facility Specific Information	24590-WTP-PSAR-ESH-01-002-04	0

E. Describe the proposed changes to the Authorization Basis documents. Include specific references to the AB documents and design documents that are to be changed:

24590-WTP-PSAR-ESH-01-002-04

Chapter 2, Section 2.4.11.7

• Equipment list - Delete lidding stations

Chapter 2, Section 2.4.12.5

• The canister storage cave is designed to retain as many as 45 canisters, should read 46 canisters

Chapter 2, Section 2.4.19.5

- Buffer/Cooling Racks paragraph They will have a total capacity of 40 canisters, should read 48 canisters.
- Lidding Station paragraph—Delete paragraph.

Chapter 2, Section 2.4.21.1.2

• Remove canister lid handling from list (6th item down)

Chapter 2, Section 2.5.4.1

 Second bullet point - remove the following from the text: The lid is removed and both canister and lid are inspected. The lid is replaced and secured.

Chapter 2, Figure 2A-2, 2A-3, 2A-4, 2A-8 & 2A-9

Figure needs updating in line with Plant Model to show correct rack configurations.

Chapter 2, Figure 2A-31

Change canister storage racks (40 capacity) to buffer & cooling racks (48 capacity)

Chapter 3, Table 3-10

• The table does not detail all the canister racks in the high level facility. The table should therefore read:

24590-SREG-F00004 Rev 3

Ref: 24590-WTP-GPP-SREG-002



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ABCN Number	24590-WTP-ABCN-ENS-02-014	Revision	0	
ABCN Title	HLW Pour Tunnel Lidding Station Removal & Canister	Rack modif	ications	

E. Describe the proposed changes to the Authorization Basis documents. Include specific references to the AB documents and design documents that are to be changed:

HRH Canister Rack (16 canisters) SCIV

HPH Canister Cooling Rack (24 canisters) SCIII

HPH Canister Buffer Rack (24 canisters) SCIII

HDH Canister Rack (1 canister) SCIII

HEH Canister Storage Rack (46 canisters) SCI

F. Explain why the change is needed:

The current baseline requires the canister to be supplied from the manufacturer with the permanent lid, which would remain with the canister as it travels into the HLW facility. The lid is removed at the Pour Tunnel Lidding Stations prior to the canister being filled. After the canister has been filled, the lid is replaced and the canister travels to the Welding Station where the permanent lid is welded to the canister.

The current baseline complies with the *Waste Compliance Plan for Immobilized High Level Waste*, *RPT-W375HV-TE00008* specification 3.1 to 3.4, which states that the canister must be protected from the ingress of free liquids, gases, explosive, pyrophoric or combustible and organic materials. The current baseline method of covering the canister involves using complex equipment, the Lidding Stations, in a location with limited accessibility. It is proposed that administrative controls and the design of the overhead cranes may instead be used to inhibit foreign debris from entering the canister. Drip trays may be designed into the crane gearbox housings, thus adding extra protection against drippage of crane oil or grease into the canister.

There is no manned entry to either the Canister Handling Cave or the Pour Tunnel, thus minimizing the potential for Protective Clothing from being a source of debris. Administrative controls, such as Loose Article Control, may be put in place to limit extraneous materials from being introduced into the canister handling areas to further reduce the chance of introducing foreign debris into the canister. By inhibiting foreign debris from entering the canister, there is no need for the Lidding Stations in the Pour Tunnel.

The PSAR identifies all HLW canister racks as seismic category I (SC-1). However, the System HPH Canister Cooling Rack, System HPH Canister Buffer Rack, and System HDH Canister Rack are contained within C5 areas. Because this places these three racks inside of seismically qualified C5 boundaries they can be classified as seismic category III (SC-3). The System HEH Canister Storage Rack is contained within a C3 area. Because it is not contained within a seismically qualified boundary it will remain classified as a seismic category I (SC-1). The System HRH Canister Rack will contain clean and empty canisters as they enter the facility. Because they will contain no contaminates or radioactive material they do not require a seismically qualified boundary. Thus, they are classified as seismic category V (SC-4). Canister racks should be identified with the appropriate seismic category and the number of canister positions. Section 3.4.2.1 needs updating to reflect the above.



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ABCN Number	24590-WTP-ABCN-ENS-02-014 Revision 0
ABCN Title	HLW Pour Tunnel Lidding Station Removal & Canister Rack modifications
III. Summa	ry of Safety Evaluation
	val of this AB change is not required because the Safety Evaluation has determined that the change e criteria for Contractor approval of the change.
	the results of the Safety Evaluation by checking the statements below for Administrative Control 2 Facility changes, not both. Add clarifying remarks, as necessary, to provide complete and cormation.
Safety Evaluation	on No. <u>24590-WTP-SE-ENS-02-017 rev 0, 24590-WTP-SE-ENS-02-032</u> Rev <u>0</u>
For an	Administrative Control:
describ 10 CFF (e.g., D Safety change	ed in the Code of Federal Regulations applicable to the project (10 CFR 820, 10 CFR 830, and 835). The change conforms to the requirements in the top-level safety standards oCE/RL-96-0006). The change provides adequate safety because the applicable questions on the Evaluation have been answered in a way that ensures adequate safety following the change. The conforms to contract requirements and will not result in inconsistencies with other AB or zation agreement commitments or descriptions.
Remarks:	
⊠ For a F	acility Control:
frequent function beneath (10 CF) safety s question the char	cility change does not affect the SRD. The change does not create a new DBE or increase the acy or consequence of an analyzed DBE. The change does not result in a decrease in the safety in of an ITS SSC or change how an SDC SSC meets its respective safety function. The change falls in the level of detail described in the Code of Federal Regulations applicable to the project R 820, 10 CFR 830, and 10 CFR 835). The change conforms to the requirements in the top-level tandards (e.g., DOE/RL-96-0006). The change provides adequate safety because the applicable into the Safety Evaluation have been answered in a way that ensures adequate safety following inge. The change conforms to contract requirements and will not result in inconsistencies with other authorization agreement commitments or descriptions.
Remarks:	
H. Attachme	nts (if any):



Page 1 of 4

ABCN N	umber 24590-WTP-ABCN-E	NS-02-016	Revision 0	_
ABCN Ti	tle Reagent Supply System	m Design Update		
I. AI	BCN Review and Approva	l Signatures		
	BCN Preparation	Ü		
Preparer:	Thomas Galioto			
•	Print/Type Name	Signature	Date	_
Reviewer:	Jeff Provo			
	Print/Type Name	Signature	Date	_
B. <u>Re</u>	quired Technical Reviewers			
Review Required?	For each person checked, th	nat signature block mus	t be completed.	
\boxtimes	E&NS Manager	Fred Beranek		
	C	Print/Type Name	Signature	Date
\boxtimes	QA Manager	George Shell		
		Print/Type Name	Signature	Date
	Operations Manager			
		Print/Type Name	Signature	Date
	Commissioning/Training Manager			
		Print/Type Name	Signature	Date
×	Manager of Engineering	Fred Marsh		
		Print/Type Name	Signature	Date
	Construction Manager			
 '	C	Print/Type Name	Signature	Date
\boxtimes	Area Project Manager	Phil Schuetz		
		Print/Type Name	Signature	Date
П	Research & Technology Manager			
		Print/Type Name	Signature	Date
	PMT Chair			
	THE Chair	Print/Type Name	Signature	Date
×	Other Affected Organization	Dwight Krahn		
_	outer i meeted organization	Print/Type Name	Signature	Date
C. <u>AF</u>	BCN Approval			
PSC Chair	Print/Type Name	Signature	Date	_
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WTP Projec	Print/Type Name	Signature	Date	_
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ABCN Number	24590-WTP-ABCN-ENS-02-016	1	Revision	0	
ABCN Title	Reagent Supply System Design Update				

II. Description of the Proposed Change to the Authorization Basis

D. Affected Authorization Basis and Implementing Documents (drawings, procedures, plans, etc):

Title	Document Number	Revision
HLW Vitrification Building General Arrangement Plan at EL. –21'-0"	24590-HLW-P1-P01T-00001	1
HLW Vitrification Building General Arrangement Plan at EL. 11'-0"	24590-HLW-P1-P01T-00003	0
HLW Vitrification Building General Arrangement Section G-G and H-H	24590-HLW-P1-P01T-00010	4
Process Flow Diagram HLW Vitrification Reagents (System NAR, SHR, AMR, and DIW)	24590-HLW-M5-V17T -00008	3
P&ID-HLW Sodium Hydroxide Reagent System Sodium Hydroxide Supply	24590-HLW-M6-SHR-00001	С
P&ID-HLW Demineralized Water System Demineralized Water Distribution	24590-HLW-M6-DIW-00001	С
P&ID-HLW Nitric Acid System Nitric Acid Supply	24590-HLW-M6-NAR-00001	0
Preliminary Safety Analysis Report To Support Partial Construction: HLW Facility Specific Information	24590-WTP-PSAR-ESH-01-001-04	0
Preliminary Safety Analysis Report To Support Construction: HLW Facility Specific Information	24590-WTP-PSAR-ESH-01-002-04	0

E. Describe the proposed changes to the Authorization Basis documents. Include specific references to the AB documents and design documents that are to be changed:

Section 2.4.11.14 of documents 24590-WTP-PSAR-ESH-01-001-04 and 24590-WTP-PSAR-ESH-01-002-04 currently describes the reagent tank room (H-B052) at the -21 ft elevation, this room has been relocated to the 11 ft elevation directly above its old position in the SW corner of the building. The majority of the tank instrumentation listed in this section is no longer required. We currently only require a level instrument in each reagent tank. The new reagent room (H-0214) bermed area is not lined with stainless steel as stated in this section, but instead chemical resistant epoxy paint will be applied to the concrete.

Table 3-3 of documents 24590-WTP-PSAR-ESH-01-001-04 and 24590-WTP-PSAR-ESH-01-002-04 currently list the old BNFL style tank numbers, these numbers have been updated to the BNI RPP-WTP project format. Nitric tanks T36001 and T36004 are now NAR-TK-00001 and NAR-TK-00002, respectively.

Figures 2-1 and 2-4 in 24590-WTP-PSAR-ESH-01-001-04 and figures 2A-1, 2A-3, and 2A-9 in 24590-WTP-PSAR-ESH-01-002-04 show the General Arrangement drawings and sectionals with the reagent room in the -21 ft elevation. Although these figures are marked for "illustration purposes only" they are not consistent with the design of the reagent room at the 11 ft elevation.

Figure 2A-40 in 24590-WTP-PSAR-ESH-01-002-04 also shows an old revision of the PFD. Although this figure is also marked for "illustration purposes only" it is not consistent with the current design.

24590-SREG-F00004 Rev 3

Ref: 24590-WTP-GPP-SREG-002



Page 3 of 4

AB	CN Number	24590-WTP-ABCN-ENS-02-016	Revision 0
ΑB	CN Title	Reagent Supply System Design Update	
			describes the reagent room as a C5 area that is entirely tion and will therefore be removed from this section.
F.	Explain	why the change is needed:	
Tan	k Room (H-I		nstruction Authorization, Section 2.4.11.14, Reagent ne –21 ft level. This room was moved up to the 11 ft of the Reagents Room – Room #H-B052.
Ten			ks per DCN 24590-HLW-DCN-PR-02-010, <i>Delete nks</i> . We currently only require a level instrument in each
	90-HLW-FD		ical resistant paint applied to the concrete as described in ump and Liner Characterization Document (Below
Ву-	product Cher		nstruction Authorization, Table 3-3, HLW Process and style tank numbers, these numbers have been updated to
III	. Summai	ry of Safety Evaluation	
G.	DOE approv	wal of this AB change is not required because criteria for Contractor approval of the cha	ise the Safety Evaluation has determined that the change ange.
		Facility changes, not both. Add clarifying	cking the statements below for Administrative Control g remarks, as necessary, to provide complete and
Safe	ety Evaluatio	on No. <u>24590-WTP-SE-ENS-02-028</u>	Rev <u>0</u>
	For an A	Administrative Control:	
	describe 10 CFR (e.g., D Safety I change	ed in the Code of Federal Regulations appl (1835). The change conforms to the require OE/RL-96-0006). The change provides ac Evaluation have been answered in a way the	lequate safety because the applicable questions on the last ensures adequate safety following the change. The ll not result in inconsistencies with other AB or
Ren	narks:		



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Ref: 24590-WTP-GPP-SREG-002

ABCN	Number	24590-WTP-ABCN-ENS-02-016	Revision	0			
ABCN	Title _	Reagent Supply System Design Update					
Remar	ks:						
All changes are within the intent of the AB documents. All changes are consistent with top level standards and do not result in non-conformance of the contract requirements.							

H. Attachments (if any):



DOCUMENT INFORMATION

Sheet 1 of 1

Please complete the following information when submitting a document to PDC.

Correspondence (CCN) No:	Rev: N/A				
Document No: 24590-WTP-ABCN-ENS-02-028	Rev: 0				
Project Information (Check Applicable Box)					
☐ Balance of Facilities					
☐ Pretreatment					
LAW Vitrification					
☐ Analytical					
☐ External Interfaces					
Across all areas					
Document is applicable to ALARA?					
In general, any record that deals with Radiation, Radioactive Material, Occupational Dose, Dose Reduction, of ALARA Records. (See 24590-WTP-GPP-SRAD-002, Application of ALARA in the Design Process, section 4	r Dose Rate are considered 1.8 for additional guidance)				
Additional Information for Correspondence					
Subject Code(s)					
Action Item Information. (This section does not apply to Meeting Minutes.)					
☐ No Action Item within the correspondence					
Action(s): (Give a brief description of actions in the following space [optional])					
Due Date: (If no due date is indicated, a 2-week period will be	a agricula (
	assigned.)				
Action Owed to:					
Actionee(s)					
This correspondence closes action on Correspondence Number					
Subcontract Files Copies					
PAAA Coordinator MSII-B					
Contains SENSITIVE Information					

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ABCN Number ABCN Title		24590-WTP-ABCN-ENS-02-028 Revision 0 Design changes associated with High Level Waste Vitrification System HSH - Mechanical Handling Diagram - Melter Cave Support Handling -Melter Cave 1.				
A. Al	BCN Pi	reparation		\sim		(0.04
					12/10/	ISSUED I RPP-WTP F
Preparer:		K Smith	miller		12/18/02 Date (2/18/02	con 12
	Print/1	Type Name	Signature	/	Date	אין דואי
Reviewer:	Ken Va	arma	1CN-1	arma	12/18/02	
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B. Re	equired	Technical Reviewe	r			
Review			– secked, that signature block	must be comple	ted.	
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Print/Type Name

Signature

Date



Page 2 of 4

ABCN Number		24590-WTP-ABCN-ENS-02-028	Revision 0	
ABCN Title		Design changes associated with High Level Waste Vitrification System HSH - Mechanical Handling Diagram - Melter Cave Support Handling -Melter Cave 1.		
II.	Descript	ion of the Proposed Change to the Auth	orization Basis	
D.	Affected Authorization Basis and Implementing Documents (drawings, procedures, plans, etc):			

Title	Document Number	Revision
HLW VITRIFICATION SYSTEM HSH MECHANICAL HANDLING DIAGRAM MELTER CAVE SUPPORT HANDLING MELTER CAVE 1	24590-HLW-M7-HSH-00001001 24590-HLW-M7-HSH-00001002	0 (When Issued) 0 (When Issued)
Preliminary Safety Analysis Report to Support Construction Authorization; HLW Facility Specific Information	24590-WTP-PSAR-ESH-01-002-04	0

E. Describe the proposed changes to the Authorization Basis documents. Include specific references to the AB documents and design documents that are to be changed:

The design includes Posting Box HSH-TWDVC-00001 with several ITS controls. This SSC was not identified in the PSAR and is not currently identified in the Appendix A Hazards Assessment Report. A draft CSD-HSH/0013 has been created within SIPD for this SSC. The posting box information needs to be added to section 2.4.12.1 of the PSAR. The section will need a statement describing the function of the posting box and that the posting box is a portion of the C5 containment boundary. The posting box will be used to transfer tools and miscellaneous items into the melter cell from the C2 corridor. Add Posting Box to bolded subtitles in sections 4.3.11.1 and 4.3.11.2 of the PSAR. (Example: Change "Gamma Detector Interlock for the Shield Doors, PSADs, and Shielded Hatches" to "Gamma Detector Interlock for the Shield Doors, PSADs, Shielded Hatches, and Posting Ports"). Add posting boxes to first sentence of section 5.3.2.2 of PSAR. ITS items on the posting box need to be added to Table 4.1.

The design includes the addition of a decontamination pit with a gamma interlocked hatch, shield window, and C5 ventilation that is not identified in the PSAR. The pit and decon tank are used for decontaminating items after they have been removed from the melter cave so that hands on maintenance can be performed on the items. These additions have been approved through trend TN-24590-02-00601. See also DCA's 24590-HLW-DCA-M-02-017 and 24590-HLW-DCA-M-02-018. Section 2.6.5 of the PSAR needs to be updated to include the decontamination pit in the list of systems served by the C5 ventilation. The Decontamination Pit and Tank need to be added to section 2.4.14.1 of the PSAR. The section will require a statement describing the function of the Decontamination Pit and Tank and that the pit will form a C5 boundary.

ITS misreeving detection associated with the crane hoists is not identified in the PSAR. This will be clarified in SCR-HMECH/N0001.



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ABC	Number	24590-WTP-ABCN-ENS-02-028	Revision 0		
ABCN Title		Design changes associated with High Level Waste Vitrification System HSH - Mechanical Handling Diagram - Melter Cave Support Handling -Melter Cave 1.			
E.		the proposed changes to the Authorization B documents and design documents that a	on Basis documents. Include specific reference are to be changed:	es	
opei	rating cond	pment shall be designed appropriately (in litions, operating methods, operating spee uncontrolled load movement including lo		,	
		ne end of the first paragraph of PSAR Sec ble misreeving detection to reduce the pro	octions 4.4.9.2 and 4.4.10.2 stating that the hois obability of damage to the hoist ropes.	t	
asso	ciated with	•	Operation, as necessary, for the active, ITS SSO hould include any ITS SSC operability and	Ds .	
F.	Explain v	why the change is needed:			
of the	nese change ontamination	es are associated with the Cycle III ISM roon tank, C5 ventilation, and gamma interlon. A posting port has been added to redu	s Document due to trend approval. The major review. The decontamination pit, locked hatch have been added to better facilitate time and effort of importing small items in	te	
Ш.	Summar	ry of Safety Evaluation			
		val of this AB change is not required because e criteria for Contractor approval of the chang	the Safety Evaluation has determined that the charge.	nge	
		Facility changes, not both. Add clarifying re	ing the statements below for Administrative Contro emarks, as necessary, to provide complete and	ol	
Safe	ty Evaluatio	on No. <u>24590-WTP-SE-ENS-02-033</u>	Rev <u>0</u>		
	For an A	Administrative Control:			
	describe 10 CFR (e.g., D Safety I change	ed in the Code of Federal Regulations applica & 835). The change conforms to the requiremode/ OE/RL-96-0006). The change provides adeq	quate safety because the applicable questions on the ensures adequate safety following the change. The not result in inconsistencies with other AB or	e	



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ABC	N Number	24590-WTP-ABCN-ENS-02-028	Revision	0
ABC	N Title	Design changes associated with High Level V Handling Diagram - Melter Cave Support Ha		
Rema	arks:			
\boxtimes	For a F	acility Control:		
	frequen function beneath (10 CF) safety s question the char	cility change does not affect the SRD. The charcy or consequence of an analyzed DBE. The charcy or consequence of an analyzed DBE. The charcy of an ITS SSC or change how an SDC SSC must the level of detail described in the Code of Fer R 820, 10 CFR 830, and 10 CFR 835). The chard tandards (e.g., DOE/RL-96-0006). The changens on the Safety Evaluation have been answerenge. The change conforms to contract requirement that the change ch	change does not result in the meets its respective safe deral Regulations appliange conforms to the reprovides adequate safed in a way that ensurements and will not result	in a decrease in the safety ety function. The change falls icable to the project equirements in the top-level fety because the applicable is adequate safety following
Rema	arks:			
H.	Attachme	nts (if any):		
11.	Amacinite	no (ii any).		